

# ABSTRACT

Disclosed herein are an anisotropically conductive connector, by which good conductivity is retained over a long period of time even when it is used repeatedly over many times or repeatedly used under a high-temperature environment, and applications thereof. The anisotropically conductive connector is an anisotropically conductive connector having an elastic anisotropically conductive film, in which a plurality of conductive parts for connection extending in a thickness-wise direction of the film have been formed. The elastic anisotropically conductive film has initial properties that supposing that the total number of the conductive parts for connection is  $Y$ , an electric resistance of the conductive part for connection in a state that a load of  $Y \times 1 \text{ g}$  has been applied to the elastic anisotropically conductive film in a thickness-wise direction thereof is  $R_{1g}$ , and an electric resistance of the conductive part for connection in a state that a load of  $Y \times 6 \text{ g}$  has been applied to the elastic anisotropically conductive film in the thickness-wise direction is  $R_{6g}$ , the number of conductive parts for connection that  $R_{1g}$  is lower than  $1 \Omega$  is at least 90% of the total number of the conductive parts for connection, the number of conductive parts for connection that  $R_{6g}$  is lower than  $0.1 \Omega$  is at least 95% of the total number of the conductive parts for connection, and the number of conductive parts for connection that  $R_{6g}$  is at least  $0.5 \Omega$  is at most 1% of the

total number of the conductive parts of connection.